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NEW AMERICAN MOSSES.

From Memoirs of the Torrey Botanical Club, 6: No. 2.

BRACHYTHECIUM POPULEUM OVATUM n. var. Often having the appearance of var. *rufescens*, but with the stem leaves broadly cordate-ovate. 1.4 by 0.8 mm., concave, margins reflexed below, rather abruptly narrowed to a much shorter subulate acumination; costa very stout, often ending below apex; branch leaves ovate-lanceolate, medium cells 5: 1. On dry rocks in woods with *Grimmia apocarpa*. Johnson and Peacham, Vt.; Indian Falls, Owen Sound; New Harbor, Newfoundland. Jan. 30. 1881.

BRACHYTHECIUM LEIBERGH. Branch leaves falcate-secund, decurrent, 1.2-0.4 mm., lanceolate, gradually very slenderly acuminate, serrate, costate to beyond the middle; median cells fusiform, 8-10: 1; basal shorter and broader; quadrate alar cells numerous; stem-leaves ovate to ovate-lanceolate, more strongly plicate; monoicous. Seta red-brown, roughened with rather low blunt papillæ; capsule light brown, 1.5 mm., long, 1.5-2: 1, short-ovoid, unsymmetric, horizontal; operculum short conic; annulus present; cilia two or three, appendiculate. Type locality, summit of "Bareknob," Traill River Basin, Idaho, alt. 5,500 feet. (J. B. Leiberg, 288. July, 1891.) The gametophyte closely resembles *B. erythrorrhizon*, from which it differs in the rough seta and in being monoicous. Easily distinguished from *B. velutinum* by the larger stem leaves.

DICRANUM LONGIFOLIUM SUBALPINUM Milde. "Densely tufted and reminding one strongly of *Campylopus Schwartzii*, blackish green, leaves erect-spreading, stiff, shorter than in the species, mostly broken off, much less strongly dentate." *Limpicht, Laubmoose*. On exposed rocks of "the Nose" Mt. Mansfield summit. July '96, A. J. Grout. Determined by Prof. R. H. True, who remarks that it is sparingly collected in Europe.

From a revision of the North American Eurhynchia, by A. J. Grout. Bull. Torr. Bot. Club, 25: 221-256. 1898.

EURHYNCHIUM STRIGOSUM ROBUSTUM Roell, Hedwigia, 36: 52. 1897. *Eurhynchium strigosum* (in part) of American authors. Gametophyte with the habit *Brachythecium plumosum*, branches 6-12 mm. long, ascending or erect, often fasciculately divided, terete-foliate, more blunt than in *E. strigosum*; leaves from the middle of the branches erect-spreading, ovate-lanceolate, very slightly or not at all decurrent, 1-1.3×0.4-0.5 mm., usually acute; quadrate and oval alar cells confined to the extreme angles; stem leaves 1.2-1.5×0.4-0.6 mm., longer acuminate, acumination often subfiliform. Sporophyte rather larger than in the typical form. Type locality, vicinity of Chicago, Ill.; Eastern Canada and in the United States from Louisiana to Minnesota and eastward. More abundant northward. The common eastern form.

—Mr. B. D. Gilbert has a specimen of *Dicranum spurium*, collected by E. C. Howe, at New Baltimore, N. Y.